

**PATENT CLAIMS**

1. A system for producing gearboxes, which consists of different subassemblies (M, A<sub>M</sub>, A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, H<sub>an</sub>, H<sub>ab</sub>, A<sub>E</sub>), characterized in that the subassemblies (M, A<sub>M</sub>, A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, H<sub>an</sub>, H<sub>ab</sub>, A<sub>E</sub>) can be assembled in a modular manner to form different gearboxes.

2. The system as claimed in claim 1, characterized in that the subassemblies, engine (M) and, if appropriate, engine adapter plate (A<sub>M</sub>), hollow shaft wheel of the output stage (H<sub>ab</sub>) and output units (A<sub>E</sub>) are identical for all the gearboxes of different construction series.

3. The system as claimed in claim 1 or 2, characterized in that the output unit (A<sub>E</sub>) is designed either as an output shaft (A<sub>W</sub>) or as an output flange (A<sub>F</sub>) or as a customer-specific drive unit.

4. The system as claimed in at least one of claims 1 to 3, characterized in that a different gearbox type can be produced via the selection of the output unit (A<sub>W</sub>) either as an output shaft (A<sub>F</sub>) or as an output flange (A<sub>F</sub>).

5. The system as claimed in at least one of claims 1 to 3, characterized in that a single-stage gearbox can be assembled from the subassemblies, engine (M), if appropriate engine adapter plate (A<sub>M</sub>) and hollow shaft wheel of the output stage (H<sub>ab</sub>).

6. The system as claimed in at least one of claims 1 to 4, characterized in that a two-stage gearbox can be assembled from the subassemblies, engine (M), if appropriate engine adapter plate ( $A_M$ ), a mounted part ( $A_2$ ), a ring wheel of the drive stage ( $H_{an}$ ), the hollow shaft wheel of the output stage ( $H_{ab}$ ) and the output unit ( $A_E$ ).

7. The system as claimed in at least one of claims 1 to 4, characterized in that a three-stage gearbox is formed from the subassemblies, engine (M), if appropriate engine adapter plate ( $A_M$ ), mounted part ( $A_2$ ), thereto attached mounted part ( $A_3$ ), thereto attached hollow shaft of the drive stage ( $H_{an}$ ) and thereto attached hollow shaft wheel of the output stage ( $H_{ab}$ ) and output unit ( $A_E$ ).

8. The system as claimed in claim 6 or 7, characterized in that, in the case of different two-stage and three-stage gearboxes, the subassemblies, engine (M), mounted part ( $A_2$ ), ring wheel of the drive shaft ( $H_{an}$ ), hollow shaft wheel of the output stage ( $H_{ab}$ ) and output unit ( $A_E$ ), are identical.

9. The system as claimed in at least one of claims 1 to 8, characterized in that the output unit ( $A_E$ ) can be assembled as an output shaft ( $A_w$ ) together with the hollow shaft wheel of the output stage ( $H_{ab}$ ) to produce an SP gearbox and the output unit ( $A_E$ ) can be assembled as an output flange ( $A_F$ ) together with the hollow shaft wheel of the output stage ( $H_{ab}$ ) to produce a TP gearbox.

10. The system as claimed in at least one of claims 1 to 9, characterized in that the respective subassemblies ( $A_M$ ), ( $H_{ab}$ ), ( $A_W$ ), ( $A_F$ ), ( $A_1$ ), ( $A_2$ ), ( $H_{an}$ ) are connected, in particular welded, pressed or screwed, to one another or can be connected positively to one another.

11. The system as claimed in at least one of claims 1 to 10, characterized in that the output unit ( $A_E$ ) can be modified, in particular adapted, customer-specifically and can be designed as a customer-specific output shaft ( $A_W$ ) or customer-specific output flange ( $A_F$ ).

12. The system as claimed in at least one of claims 1 to 11, characterized in that, to produce a TP gearbox, a ring wheel (20) of the hollow shaft wheel ( $H_{an}$ ) of the drive stage is firmly connected, in particular firmly screwed, to a planet-wheel carrier (9) of the hollow shaft wheel of the output stage ( $H_{ab}$ ).

13. The system as claimed in at least one of claims 1 to 11, characterized in that, to produce an SP gearbox, a ring wheel (20) of the ring wheel of the output stage ( $H_{ab}$ ) is firmly connected, in particular screwed, to the stationary casing part (3) of the mounted part ( $A_2$ ).

14. The system as claimed in at least one of claims 1 to 13, characterized in that the universal planet-wheel carrier (9) of the hollow shaft wheel of the output stage ( $H_{ab}$ ) is connected, in particular welded, to the flange (16) or the shaft (18) of the output shaft ( $A_W$ ).

15. The system as claimed in at least one of claims 1 to 14, characterized in that the casing part (10) of the hollow shaft wheel of the output stage ( $H_{ab}$ ) is connected, in particular welded, to the casing part (14) of the output flange (AF) or to the casing part (17) of the output shaft (AW).

16. The system as claimed in at least one of claims 1 to 15, characterized in that a gearbox with SP or TP kinematics is produced by means of different mounting of the ring wheel (20) on the right or on the left together with the attached components.